

## EAST Search History

| Ref # | Hits     | Search Query             | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|----------|--------------------------|---|------------------|---------|------------------|
| L2    | 1050     | (137/606).CCLS.          | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR               | OFF     | 2006/09/13 07:37 |
| L3    | 12169082 | s "43" L2                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/09/13 07:37 |
| L4    | 854      | (137/240).CCLS.          | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR               | OFF     | 2006/09/13 07:38 |
| L5    | 1877     | L4 L2                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/09/13 07:38 |
| L6    | 8645     | schrader                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/09/13 07:38 |
| L7    | 3        | 5 and L6                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/09/13 07:38 |
| L8    | 104      | 5 and (purg\$3 with air) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/09/13 07:58 |
| L9    | 155      | 5 and (purg\$3 with gas) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/09/13 07:39 |

## EAST Search History

|     |        |                           |  |   |    |     |                  |
|-----|--------|---------------------------|--|---|----|-----|------------------|
| L10 | 198    | 8 9                       |  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/09/13 07:52 |
| L11 | 982    | (239/533.2).CCLS.         |  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | OFF | 2006/09/13 07:53 |
| L12 | 181038 | fuel with inject\$3       |  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/09/13 07:54 |
| L13 | 74     | 6 and 12                  |  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/09/13 07:54 |
| L14 | 3679   | 12 and (purg\$3 with air) |  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/09/13 07:59 |
| L15 | 2883   | 12 and (purg\$3 with gas) |  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/09/13 07:59 |
| L16 | 4632   | 14 15                     |  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/09/13 07:59 |
| L17 | 4      | 6 and 16                  |  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/09/13 07:59 |

## EAST Search History

|     |     |   |   |    |    |                  |
|-----|-----|---|---|----|----|------------------|
| L18 | 21  | "3791412"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/09/13 08:34 |
| L19 | 200 | ("2488439" "3213918" "3381896"<br> "3561726" "4439400" "4784841"<br> "5370527" "5599519" "5823221"<br> "5840112" "6035837" "6207131"<br>)."PN"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/09/13 08:34 |
| L20 | 48  | ("2464563"   "3424181"  <br>"3592439"   "3777771"  <br>"4008716"   "4017057"  <br>"4182370"   "4261178"  <br>"4328948"   "4338793"  <br>"4449545"   "5005369"  <br>"5005375"   "5063749"  <br>"5080132"   "5139049"  <br>"5148839"   "5169192"  <br>"5181391"   "5193351"  <br>"5244010"   "5261249"  <br>"5285647"   "5289850"  <br>"5293902"   "5312084"  <br>"5367886"   "5370359"  <br>"5370527"   "5388416"  <br>"5388634"   "5415200"  <br>"5450875"   "5586748"  <br>"5725025"   "5975490"  <br>"6041818"   "6170541"  <br>"6230737"   "6266971"  <br>"6269840"   "6273397"  <br>"6298886"   "6637460"  <br>"6837064"   "6848670").PN. OR<br>("7096685").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2006/09/13 08:46 |
| L21 | 13  | martin-robert-o.in.   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2006/09/13 08:47 |
| L22 | 10  | flynn-harry-eugene.in.  | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2006/09/13 08:48 |
| L23 | 12  | natalie-charles-a.in.   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2006/09/13 08:48 |

## EAST Search History

|    |        |   |  |    |    |                  |
|----|--------|---|--|----|----|------------------|
| S1 | 30     | ("2488439" "3213918" "3381896" "3561726" "4439400" "4784841" "5370527" "5599519" "5823221" "5840112" "6035837" "6207131").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/12 13:01 |
| S2 | 181038 | fuel with inject\$3   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/12 13:02 |
| S3 | 0      | S2 and (schrader with vale)   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/12 13:18 |
| S4 | 0      | schrader with vale  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/12 13:59 |
| S5 | 8645   | schrader  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/12 13:03 |
| S6 | 2177   | S5 and valv\$3  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/12 13:04 |
| S7 | 53     | S2 and S6   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/12 13:04 |
| S8 | 10     | S2 and (poppet with vale)   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/12 14:31 |

## EAST Search History

|     |        |  |  |    |    |                  |
|-----|--------|--|--|----|----|------------------|
| S9  | 37     | ("0575451"   "1428553"   "1985192"   "2756106"   "2832641"   "3008653"   "3077206"   "3542293"   "3705692"   "4590911"   "4718386"   "4768720").PN. OR ("5070845").URPN. | US-PGPUB; USPAT; USOCR                             | OR | ON | 2006/09/12 13:19 |
| S10 | 0      | schrader adj vale  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/12 14:10 |
| S11 | 106609 | titanium adj dioxide   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/12 14:11 |
| S12 | 248    | S2 and S11   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/12 14:19 |
| S13 | 3      | S5 and S12   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/12 14:12 |
| S14 | 22     | S12 and (purg\$3 with gas)   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/12 14:30 |
| S15 | 12     | S12 and (purg\$3 with air)   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/12 14:31 |
| S16 | 136    | S5 and S11   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/12 14:19 |

## EAST Search History

|     |      |  |  |    |    |                  |
|-----|------|--|--|----|----|------------------|
| S17 | 10   | ("2790838"   "3363981"   "3403001"   "3414379"   "3416890").PN. OR ("3632313").URPN.   | US-PGPUB; USPAT; USOCR                             | OR | ON | 2006/09/12 14:21 |
| S18 | 14   | ("3397256"   "3945624"   "4354829"   "4741694"   "5007823"   "5261738"   "5431560"   "5549058"   "5572938"   "5580237").PN. OR ("6116896").URPN. | US-PGPUB; USPAT; USOCR                             | OR | ON | 2006/09/12 14:27 |
| S19 | 2883 | S2 and (purg\$3 with gas)  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/12 14:42 |
| S20 | 3679 | S2 and (purg\$3 with air)  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/12 14:42 |
| S21 | 4632 | S19 S20  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/12 14:31 |
| S22 | 0    | S21 and (poppet with vale)   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/12 14:32 |
| S23 | 3798 | S21 and valve  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/12 14:34 |
| S24 | 25   | S21 and S11  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/12 14:34 |

## EAST Search History

|     |     |   |   |    |    |                  |
|-----|-----|---|---|----|----|------------------|
| S25 | 94  | S5 and (purg\$3 with gas)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/09/13 07:59 |
| S26 | 94  | S5 and (purg\$3 with air)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/09/13 07:39 |
| S27 | 145 | S25 S26   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/09/12 14:42 |
| S28 | 21  | ("3592439"   "3777771"  <br>"4017057"   "4328948"  <br>"5139049"   "5244010"  <br>"5293902"   "5312084"  <br>"5370359"   "5370527"  <br>"5388634"   "5450875"  <br>"5725025"   "5975490").PN. OR<br>("6296228").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2006/09/12 14:51 |
| S29 | 17  | ("1762178"   "2594539"  <br>"3733048"   "3791412"  <br>"4527587"   "5139049"  <br>"5244010").PN. OR ("5370359").<br>URPN.   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2006/09/12 14:57 |
| S30 | 31  | ("4008716"   "4182370"  <br>"4261178"   "4338793"  <br>"4449545"   "5005369"  <br>"5005375"   "5063749"  <br>"5080132"   "5148839"  <br>"5169192"   "5181391"  <br>"5193351"   "5244010"  <br>"5261249"   "5285647"  <br>"5289850"   "5367886"  <br>"5370359"   "5388416"  <br>"5450875"   "5493869"  <br>"5517825"   "5544492"  <br>"5544494"   "5603223"  <br>"5906106"   "6041818"  <br>"6230737"   "6269840").PN. OR<br>("6539970").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2006/09/12 15:14 |
| S31 | 318 | refriger\$4 and S5  | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2006/09/12 15:16 |

## EAST Search History

|     |       |   |   |    |     |                  |
|-----|-------|---|---|----|-----|------------------|
| S32 | 3240  | refriger\$4 and (purg\$3 with gas)                                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/09/12 15:32 |
| S33 | 1895  | refriger\$4 and (purg\$3 with air)                                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/09/12 15:32 |
| S34 | 4171  | S32 S33   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/09/12 15:17 |
| S35 | 33    | S5 and S34  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/09/12 15:30 |
| S36 | 2     | ("4476688").PN.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | OFF | 2006/09/12 15:30 |
| S37 | 103   | ("3150495"   "3232070"  <br>"3303660").PN. OR ("4476688").<br>URPN. | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON  | 2006/09/12 15:31 |
| S38 | 85506 | ("62").CLAS.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | OFF | 2006/09/12 15:32 |
| S39 | 163   | S5 and S38  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/09/12 15:32 |
| S40 | 11    | S39 and (purg\$3 with gas)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/09/12 15:32 |

## EAST Search History

|     |      |                            |   |    |     |                  |
|-----|------|----------------------------|---|----|-----|------------------|
| S41 | 16   | S39 and (purg\$3 with air) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/09/12 15:33 |
| S42 | 21   | S40 S41                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/09/12 15:33 |
| S43 | 854  | (137/240).CCLS.            | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | OFF | 2006/09/13 07:37 |
| S44 | 1050 | (137/606).CCLS.            | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | OFF | 2006/09/12 17:17 |